

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Attorney Docket Number	23-69853-01
Application Number	10/727,062
Filing Date	December 2, 2003
First Named Inventor	John G. DeSteele
Art Unit	3744
Examiner Name	Not yet assigned

U.S. PATENT DOCUMENTS

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Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
/A.D.F./		6,096,964	8/2000	Ghamaty et al.
/A.D.F./		6,096,965	8/2000	Ghamaty et al.
/A.D.F./		6,288,321	9/2001	Fleurial et al.
/A.D.F./		6,372,538	4/2002	Wendt et al.
/A.D.F./		6,388,185	5/2002	Fleurial et al.
/A.D.F./		6,413,645	7/2002	Graff et al.

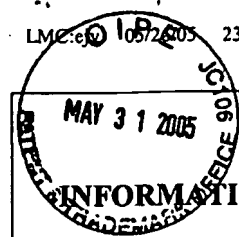
FOREIGN PATENT DOCUMENTS

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Examiner's Initials*	Cite No. (optional)	OTHER DOCUMENTS
/A.D.F./		Stölzer, M. et al., "Preparation of Highly Effective p-Bi _{2.5} Sb _{1.5} Te ₃ and n-Bi ₂ Te _{2.7} Se _{0.3} Films," 15 th International Conference on Thermoelectrics, pp. 445-449 (1996).
/A.D.F./		Stordeur, Matthias et al., "Low Power Thermoelectric Generator - self-sufficient energy supply for micro systems," 16 th International Conference on Thermoelectrics, pp. 575-577 (1997).
/A.D.F./		Stark, Ingo et al., "New Micro Thermoelectric Devices Based on Bismuth Telluride-Type Thin Solid Films," 18 th International Conference on Thermoelectrics, pp. 465-472 (1999).

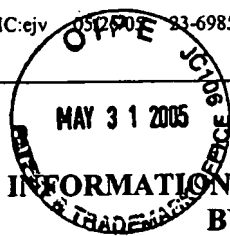
EXAMINER SIGNATURE: /Anthony Fick/ <i>ADF</i>	DATE CONSIDERED: 06/08/2007
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/A.D.F./		Stölzer, M. et al., "Optimisation of p - (Bi _{0.25} Sb _{0.75}) ₂ Te ₃ and n - Bi ₂ (Te _{0.9} Se _{0.1}) ₃ Films for Thermoelectric Thin Film Components," 5 pages. <i>year not available ADF</i>	
/A.D.F./		Bergstresser, T.R. et al., "Copper on Polyimide Flexible Substrate for Ultra-Thin, High Performance Applications," 4 pages. <i>year not available ADF</i>	
/A.D.F./		Vining, Cronin B., "Semiconductors are cool," <i>Nature</i> , Vol. 413, pp. 577-578 (October 11, 2001).	
/A.D.F./		Venkatasubramanian, Rama et al., "Thin-film thermoelectric devices with high room-temperature figures of merit," <i>Nature</i> , Vol. 413, pp. 597-602 (October 11 2001).	
/A.D.F./		Chen, G., "Thermal conductivity and ballistic-phonon transport in the cross-plane direction of superlattices," <i>Phys. Rev. B</i> , Vol. 57, No. 23, pp. 14958-14973 (June 15, 1998).	
/A.D.F./		Hicks, L.D. et al., "Effect of quantum-well structures on the thermoelectric figure of merit," <i>Phys. Rev. B</i> , Vol. 47, No. 19, pp. 12727-12731 (May 15, 1993).	
/A.D.F./		Kiely, J.H. et al., "Characteristics of Bi _{0.5} Sb _{1.5} Te ₃ /Be ₂ Te _{2.4} Se _{0.6} thin-film thermoelectric devices for power generation," <i>Meas. Sci. Technol.</i> , Vol. 8, pp. 661-665 (June 1997).	
/A.D.F./		Nolas, G.S. et al., Thermoelectrics, "Basic Principles and New Materials Developments," Springer, Berline, pp. 111-146 (2001).	
/A.D.F./		Tritt, T., "Recent Trends in Thermoelectric Materials Research III," Academic Press, London, Vol. 7, pp. 50-55 (2001).	
/A.D.F./		Schaevitz, Samuel B. et al., "A Combustion-Based MEMS Thermoelectric Power Generator," The 11 th International Conference on Solid-State Sensors and Actuators, Munich, Germany, 4 pages (June 10-14, 2001).	
/A.D.F./		21 st International Conference on Thermoelectrics, Jet Propulsion Laboratory, California Institute of Technology, Massachusetts Institute of Technology; "Texture formation in extruded rods of (Bi,SB) ₂ (Te,Se) ₃ thermoelectric alloys," Vasilevskiy, E. et al. (August 26-29, 2002).	
/A.D.F./		Thin-film Superlattice Thermoelectric Technology, www.rti.org , 4 pages (2002).	
/A.D.F./		Physics of Thin Films: Sputter Deposition (Ohring: Chapter 3, sections 5-6), www.uccs.edu/~tchrste/courses/PHYS549/549lectures/sputter.html , 4 pages (Printed 11/21/02).	
/A.D.F./		Physics of Thin Films: Sputter Deposition Techniques (Ohring: Chapter 3, section 7), www.uccs.edu/~tchrste/courses/PHYS549/549lectures/sputtertech.html , 5 pages (Printed 11/21/02).	

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/A.D.F./		Venkatasubramanian, R., "Thin-film Superlattice Thermoelectric Devices for Power Conversion and Cooling," www.its.org/its/ict2002/Abstracts/Rama_Venkatasubramanian.htm (Printed 9/26/03).	
/A.D.F./		D.T.S. GmbH: Thin Film Thermoelectric Generators, D.T.S., www.dts-generator.com/index.htm (Printed 5/4/04).	
/A.D.F./		D.T.S. GmbH: Thin Film Thermoelectric Generators, Low Power Thermoelectric Generators; www.dts-generator.com/gen.txex.htm (Printed 5/4/04).	
/A.D.F./		D.T.S. GmbH: Thin Film Thermoelectric Generators, Infrared-Sensors, www.dts-generator.com/sen-txe.htm (Printed 5/4/04).	
/A.D.F./		D.T.S. GmbH: Thin Film Thermoelectric Generators, Research and development, www.dts-generator.com/dev-txe.htm (Printed 5/4/04).	

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Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
/A.D.F./		3,554,815	1/1971	Osborn
/A.D.F./		4,036,665	7/1977	Barr et al.
/A.D.F./		5,286,304	2/1994	Macris et al.
/A.D.F./		2004/0231714	11/2004	Stark et al.

FOREIGN PATENT DOCUMENTS

Examiner's Initials*	Cite No. (optional)	Country	Number	Publication Date	Name of Applicant or Patentee
/A.D.F./		DE	297 23 309	3/1997	
/A.D.F./		JP	09107129	4/1997	
/A.D.F./		WIPO	02/23642	3/2002	
/A.D.F./		WIPO	03/007391	1/2003	
/A.D.F./		WIPO	04/105143	12/2004	

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Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
/A.D.F./		4,312,402	1/1982	Basiulis
/A.D.F./		4,520,305	5/1985	Cauchy
/A.D.F./		6,232,543	5/2001	Nagata
/A.D.F./		2002/0139123	10/2002	Bell
/A.D.F./		2002/0148236	10/2002	Bell

FOREIGN PATENT DOCUMENTS

Examiner's Initials*	Cite No. (optional)	Country	Number	Publication Date	Name of Applicant or Patentee
/A.D.F./		JP	09224387	8/1997	
/A.D.F./		JP	2003179275	6/2003	
/A.D.F./		WIPO	02/095707	11/2002	
/A.D.F./		WIPO	03/015186	2/2003	

OTHER DOCUMENTS

Examiner's Initials*	Cite No. (optional)	
/A.D.F./		Schmidt, F. et al., "Batterielose Funksensoren, betrieben mit Energie aus der Umgebung," 5 pages (March 2002).
/A.D.F./		International Search Report and Written Opinion for PCT/US2004/040460, filed December 2, 2004.

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